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Monoclonal Antibody to CD72 (CD72.1 alloantigen) - FITC

Alternate names: B-Cell marker, B-cell differentiation antigen CD72, Ly-32, Ly32, Lyb-2, Lymphocyte antigen

32

Catalog No.: AM08051FC-N

Quantity: 0.5 mg
Concentration: 0.5 mg/ml

Background: Murine CD72.1/Lyb-2.1, a type II integral membrane glycoprotein and a member of the C-

lectin family of cell surface receptors, is a differentiation antigen of B cells, and is found in mouse strains expressing the Lyb-2.1 allotype. CD72.1 is the ligand of CD5 (Ly-1) which is

distributed on all T cells and a small number of B cells. (Ref.1,2)

This clone blocks binding of CD5 to CD72 on the B cell surface, which leads to inhibition of the positive signal resulting from CD5/CD72 pairing. (Ref.1) However, 10-1.D.2 can itself

trigger a positive signal by binding CD72. (Ref.1-5)

Uniprot ID: P21855

NCBI: XP 003086403.1

GenelD: 100504743

Host / Isotype: Mouse / IgG2b

Clone: 10-1.D.2

Immunogen: DBA/2 mouse spleen cells. (Ref.1)

Format: State: Liquid purified Ig fraction.

Buffer System: PBS containing 0.09% Sodium Azide as preservative.

Label: FITC - Fluorescein Isothiocyanate Isomer 1

Applications: Flow Cytometry: $\langle \ \ | = 1 \, \mu g / 10e6 \, \text{cells.}$ (Ref.1,2)

Other applications not tested. Optimal dilutions are dependent on conditions and should

be determined by the user.

Specificity: This antibody recognises CD72.1/Lyb-2.1 (Mr. 45 kDa).

Species: Mouse.

Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing. Shelf life: one year from despatch

General Readings: 1. Luo, W., H Van de Velde, I. von Hoegen, J.R. Parnes, and K. Thielemans. 1992. J. Immunol.

148:1630.

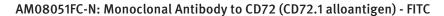
2. Subbarao, B., and D.E. Mosier. 1983. J. Immunol. 130:2033.

3. Snow, E.C., J.J. Mond, and B. Subbarao. 1986. J. Immunol. 137:1793.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.







4. Robinson, W.H., M.M Landolfi, H. Schaffer and J.R. Parnes. 1993. J. Immunol. 151:4764.

5. Beavil, A.J., R.L. Edmeades, H.J. Gould and B.J. Sutton. 1992. Proc. Nat. Acad. Sci. 89:753.

Pictures:

Immunofluorescent Staining: BALB/c spleen cells were double-stained with Mouse anti-Mouse CD72.1-FITC and rat anti-mouse CD19-RPE. Lymphocytes were then gated and analyzed by flow cytometry. Amount Used: $\langle / = 1 \mu g/10e6 \rangle$ cells.

